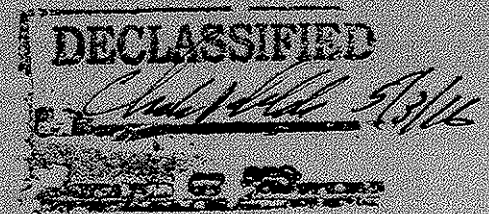


MALONE SERVICE COMPANY SUPERFUND SITE, TEXAS CITY, TEXAS
MALONE COOPERATING PARTIES – PHASE TWO RD/RA ACTIVITIES



**Weekly Phase Two RD/RA Report
Prepared for EPA and TCEQ**



(February 29 – March 6, 2016)

Draft, for discussion purposes only

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9639072

Project Coordination/Construction Management Activities

Accomplishments (week of 2/29/16)

- Geonet and 2nd layer of 80 mil HDPE installed over approximately 10 of 11 acres in Phase 1 RCRA Cell
- Completed leachate detection system installation
- Ensafe (IQAT) site visit to view leachate detection system and liner installation
- **PETITION UPDATE:** EPA approved an extension of the date of deposit to the Performance Guarantee account until June 23, 2016. It will continue to evaluate the Petition. The Petition review is tied to the project schedule talks with EPA.
- **SCHEDULE:** Due to weather delays, a Phase 2 RD/RA extension request letter was sent to EPA on 3/4/16.

Materials Summary

	This Week	Total
Approximate Contaminated Soil Excavated (CY)	0	48,840
Solidified Waste (CY)	0	44,453

Field Activities

Water Management

- No Rain

Injection Wells

- Injection through both wells Monday – Friday brought freeboards back to favorable levels
- WDW-138: 77-82 gpm at max injection pressure of 990 psi
- WDW-73: 65-70 gpm at max injection pressure of 1225 psi

Landfill

- Liner crew completes installation of leachate detection system (Geonet, Geotextile, perforated pipe and rock aggregate)
- Liner crew continues installation of Geonet followed by 2nd layer of 80 mil

HDPE on Phase 1 RCRA Cell floor

- Complete backfilling/compacting of Cemetery Area soil excavation and continue 1' clay placement in Phase 2 of RCRA Cell
- Remove concrete from Phase 2 area near hurricane levee

Other

- Air monitoring as needed
- Dust Suppression with water truck as needed

Project Coordination/Construction Management Activities

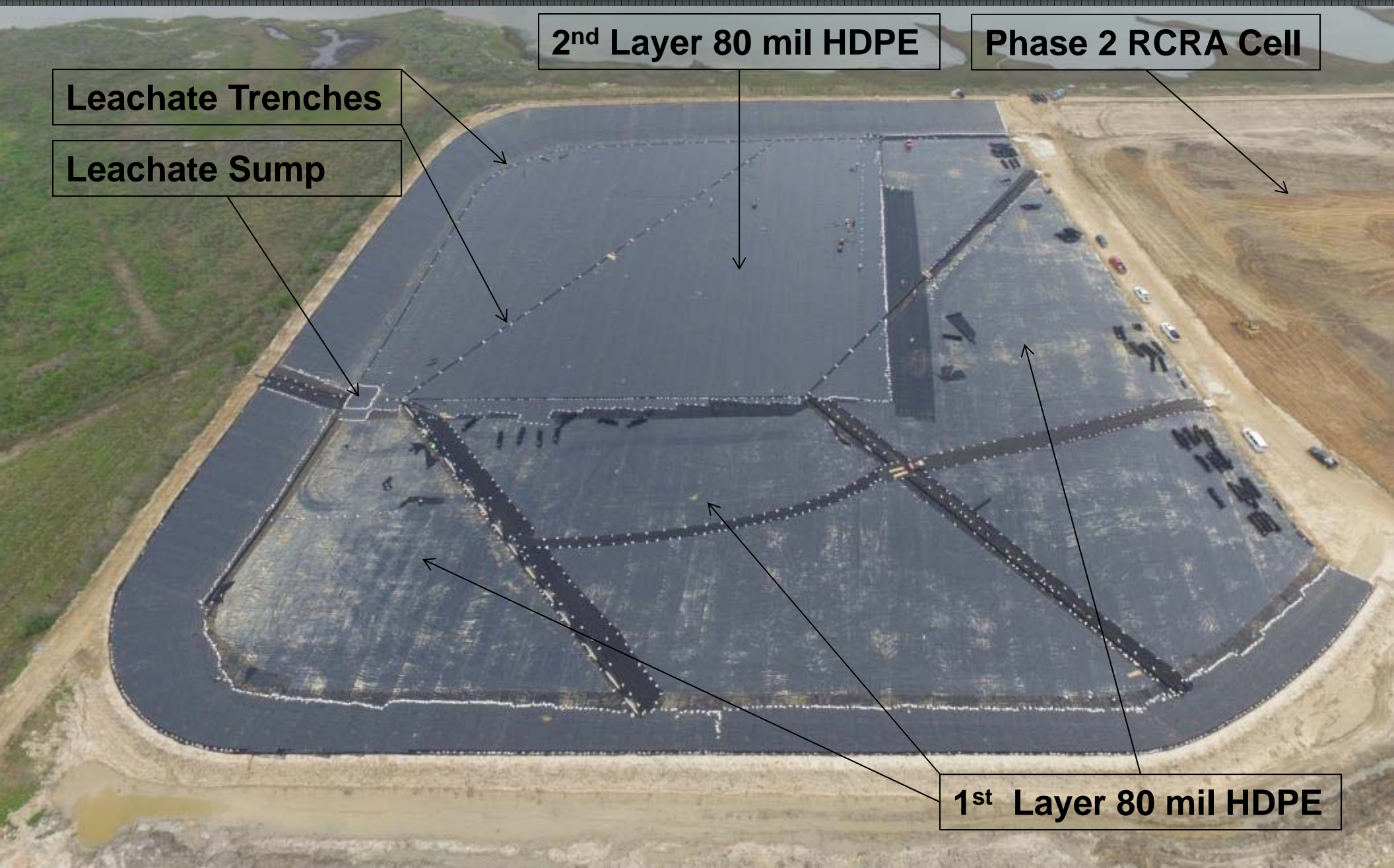
Upcoming Project Activities

- Work with EPA to finalize approval of Petition to Modify Timing and Amount of Performance Guarantee.
- In light of the strong El Nino resulting in continued delays to the schedule, PNL submitted a letter to the EPA documenting the weather delays and proposing schedule extension.
- Continue submittal of Weekly reports

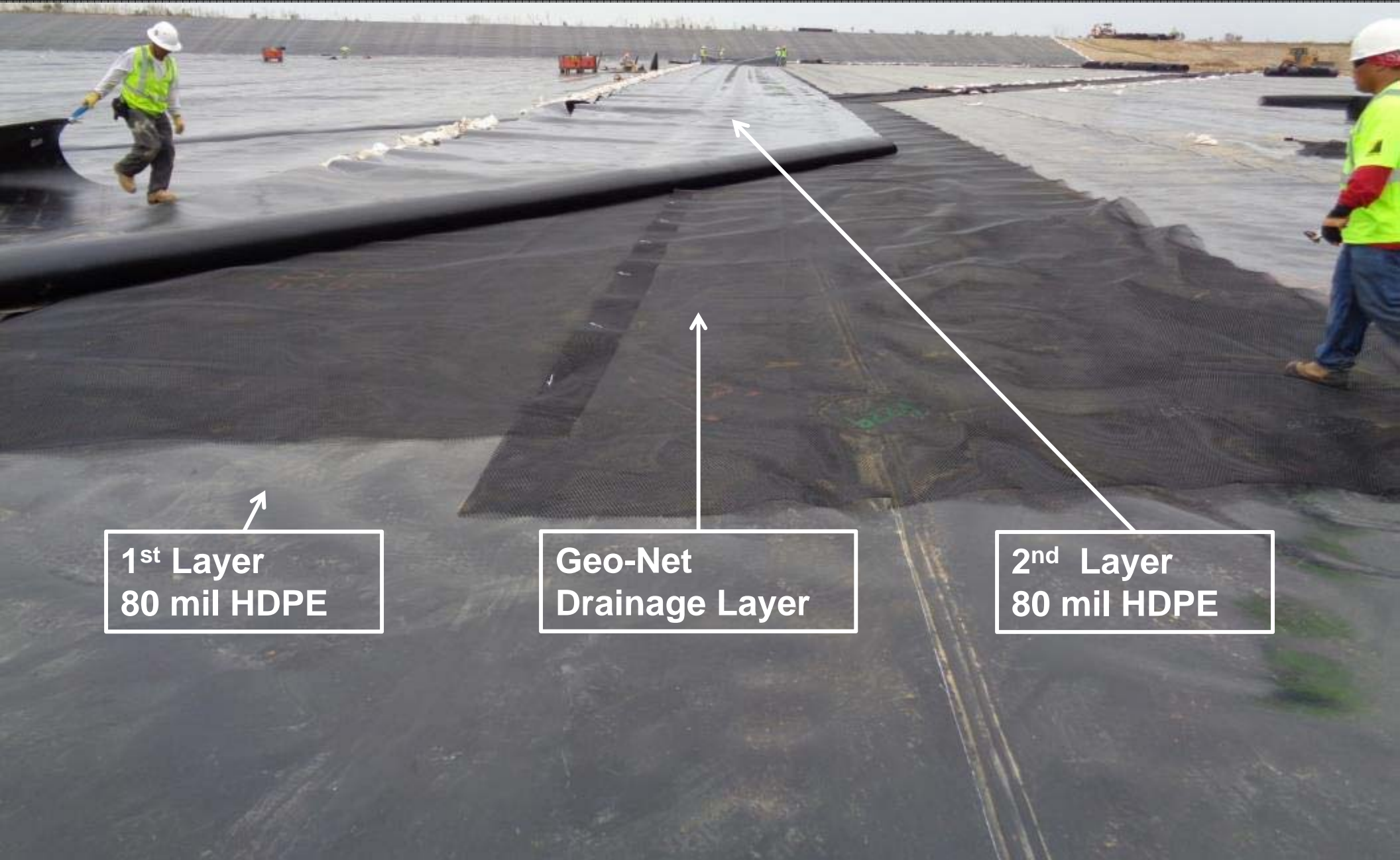
Upcoming Field Activities

- Install leachate detection/collection piping system
- Continue Phase 1 RCRA Cell Liner install (Geonet, 80 mil HDPE, Geo-composite)
- Begin placement of operation layer in Phase 1 of RCRA Cell
- Continue earthwork and subgrade prep in Phase 2 RCRA Cell, placement of 1' of clay
- Soil excavation and backfill of Tank 900 Area
- Continue injection of contact water as needed
- Site Visits by IQAT to view RCRA Cell construction

Phase 1 RCRA Cell progress aerial taken 3/3/16



Liner crews installing 2nd layer of 80 mil HDPE on top of geonet drainage layer in Phase 1 RCRA Cell



1st Layer
80 mil HDPE

Geo-Net
Drainage Layer

2nd Layer
80 mil HDPE

Leachate Detection piping installed. Leachate Collection piping to be installed on top of the detection piping.



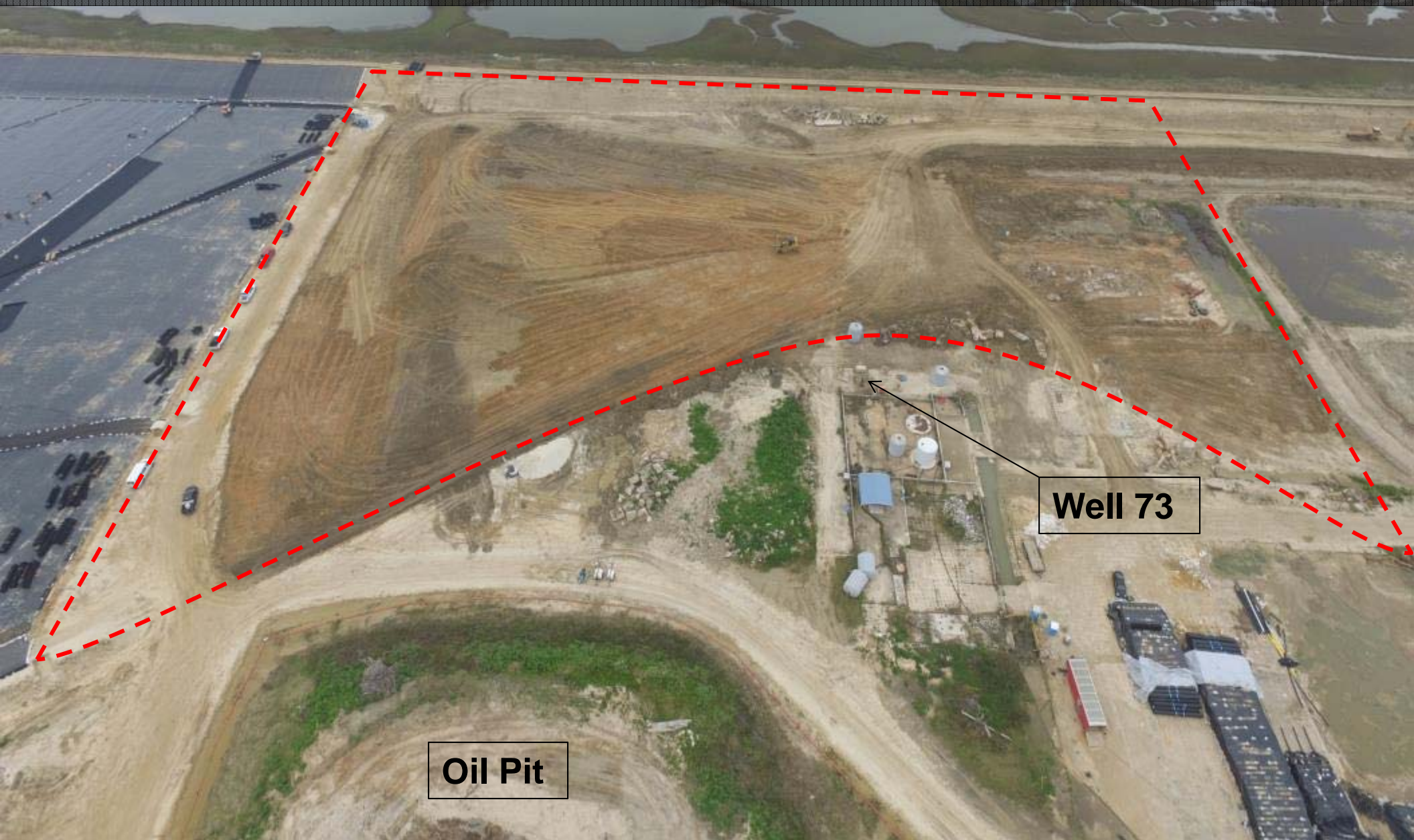
**Geo-Textile
Wrap**

**Geonet Drainage
Layer**

**Rock Drainage
Aggregate**

**4" perforated
HDPE Pipe**

Phase 2 RCRA Cell progress aerial taken 3/3/16



Placement of clay from on-site borrow area in Phase 2 of the RCRA Cell. Rock aggregate used in leachate detection/collection trenches in foreground



Portion of large concrete debris removed from the toe of the existing hurricane levee in Phase 2 of RCRA Cell

